

HUMBOLDT RIVER BASIN, UPPER HUMBOLDT RIVER BASIN

10321940 MAGGIE CREEK ABOVE MAGGIE CREEK CANYON NEAR CARLIN

LOCATION.--Lat 40°49'30", long 116°13'21" referenced to North American Datum of 1927, in SE 1/4 NE 1/4 sec. 22, T.34 S., R.51 E., Eureka County, Hydrologic Unit 16040101, on right bank, approximately 10.0 mi northwest of Carlin.

DRAINAGE AREA.--332 mi².

PERIOD OF RECORD.--January 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,125 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. See schematic diagram of Humboldt River Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 559 ft³/s March 22, 1997, gage height, 5.02 ft; minimum daily, 0.04 ft³/s August 23, 2003.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 181 ft³/s, March 20, 23, gage height, 4.14 ft; minimum daily discharge, 0.44 ft³/s, August 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.65	e1.6	e1.6	e5.7	e5.2	e6.4	40	42	19	2.6	0.59	0.66
2	e0.45	e1.6	e1.4	e5.6	e5.4	e6.5	40	41	17	2.3	0.65	0.50
3	e0.62	e1.6	e1.5	e5.6	5.4	e6.5	39	38	16	2.3	0.61	0.62
4	e0.77	e1.7	e1.5	e5.6	e5.2	e8.2	40	37	15	2.1	0.58	0.73
5	e0.82	e1.8	e1.5	e5.5	e6.2	e9.9	43	37	14	1.8	0.56	0.69
6	e0.79	e1.7	e1.7	e5.5	e5.4	e12	63	37	13	1.7	0.54	0.79
7	e0.75	e1.7	e2.8	e5.4	e5.6	e13	107	38	13	1.4	0.52	0.80
8	e0.84	e1.7	e2.5	e5.6	e5.7	e15	120	38	12	1.3	0.54	0.83
9	e0.82	e1.9	e2.4	e5.5	e5.4	e17	102	36	11	1.4	0.52	0.72
10	e0.85	e2.0	e2.6	e5.6	e5.2	e18	89	42	11	1.4	0.52	1.0
11	e0.83	e1.8	e3.2	e5.0	e5.6	e20	79	49	12	1.3	0.45	0.91
12	e0.81	e1.7	e3.2	e4.7	e5.4	28	70	47	12	1.2	0.44	1.1
13	e0.84	e1.9	e4.1	e4.7	e5.7	37	64	42	11	1.1	0.47	0.97
14	e0.71	e2.0	e4.2	e4.4	e6.1	46	59	38	10	0.76	0.49	1.3
15	e0.77	e2.1	e3.3	e4.9	e7.2	53	56	33	9.3	0.83	0.50	1.1
16	e0.80	e2.2	e2.9	e4.5	e8.1	59	52	31	8.4	0.79	1.3	1.3
17	e0.80	e2.4	e3.1	e4.6	e7.7	59	60	28	7.5	0.86	0.98	1.5
18	e0.83	e2.0	e3.3	e4.8	e7.4	49	60	25	7.2	1.1	0.62	1.3
19	e0.86	e1.9	e3.3	e4.7	e7.0	70	55	21	6.4	1.4	0.54	3.4
20	e0.90	e1.9	e3.6	e4.6	e6.1	140	51	22	5.9	1.5	0.66	4.4
21	e0.94	e2.3	e4.0	e4.7	e6.1	138	52	23	5.4	1.3	0.57	2.9
22	e0.92	e1.9	e5.3	e4.7	e6.2	130	57	24	5.1	1.1	0.65	2.2
23	e0.90	e1.5	e4.9	e4.7	e6.2	145	52	25	4.5	0.89	0.67	1.8
24	e0.90	e1.1	e5.4	e4.7	e6.3	119	47	23	4.1	0.78	0.63	1.6
25	e0.90	e1.3	e7.6	e4.9	e6.5	115	44	22	3.9	0.70	0.55	1.6
26	e0.95	e1.3	e7.0	e5.0	e6.6	101	42	21	4.0	0.64	0.68	1.5
27	e1.0	e1.2	e5.2	e5.0	e6.4	87	41	21	3.7	0.70	0.70	1.5
28	e1.1	e1.4	e5.1	5.2	e6.4	66	41	26	3.5	0.64	0.59	1.6
29	e1.3	e1.8	e5.2	5.4	e6.4	50	44	29	3.2	0.57	0.66	2.4
30	e1.6	e1.9	e5.3	5.5	---	42	44	25	3.0	0.57	0.67	2.9
31	e1.7	---	e6.0	e5.0	---	40	---	21	---	0.58	0.77	---
TOTAL	27.72	52.9	114.7	157.3	178.1	1,706.5	1,753	982	271.1	37.61	19.22	44.62
MEAN	0.89	1.76	3.70	5.07	6.14	55.0	58.4	31.7	9.04	1.21	0.62	1.49
MAX	1.7	2.4	7.6	5.7	8.1	145	120	49	19	2.6	1.3	4.4
MIN	0.45	1.1	1.4	4.4	5.2	6.4	39	21	3.0	0.57	0.44	0.50
AC-FT	55	105	228	312	353	3,380	3,480	1,950	538	75	38	89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	4.65	6.02	6.27	9.59	14.0	49.3	60.3	66.1	23.2	4.08	2.24	2.72
MAX	7.73	9.19	9.24	25.1	36.1	214	159	223	89.2	14.2	6.51	5.84
(WY)	(1999)	(1999)	(1999)	(1998)	(1998)	(1997)	(1997)	(1997)	(1998)	(1998)	(1998)	(1998)
MIN	0.89	1.76	3.70	4.62	6.13	5.90	9.36	10.9	1.67	0.31	0.08	0.22
(WY)	(2004)	(2004)	(2004)	(2002)	(2001)	(2003)	(2003)	(2001)	(2001)	(2003)	(2003)	(2003)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1997 - 2004
ANNUAL TOTAL	2,166.16	5,344.77	
ANNUAL MEAN	5.93	14.6	16.6
HIGHEST ANNUAL MEAN			49.3
LOWEST ANNUAL MEAN			5.13
HIGHEST DAILY MEAN	41	May 18	505 Mar 22, 1997
LOWEST DAILY MEAN	0.04	Aug 25	0.04 Aug 25, 2003
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 23	0.04 Aug 23, 2003
MAXIMUM PEAK FLOW		181 Mar 20	559 Mar 22, 1997
MAXIMUM PEAK STAGE		4.14 Mar 20	5.02 Mar 22, 1997
ANNUAL RUNOFF (AC-FT)	4,300	10,600	12,040
10 PERCENT EXCEEDS	12	46	39
50 PERCENT EXCEEDS	3.3	4.5	6.5
90 PERCENT EXCEEDS	0.10	0.67	0.79

e Estimated